

Standard Transmission Sampling Kit (STS) – *Everything You Need to Run Liquid and Solid Samples by Transmission IR Spectroscopy*



FEATURES OF THE STANDARD TRANSMISSION SAMPLING KIT

- Complete kit for transmission FTIR sampling
- Make KBr pellets and mulls for solid samples
- Run liquid samples for qualitative and quantitative analysis

This general purpose kit contains tools and materials for liquid and solid sampling. A demountable cell (drilled and undrilled windows with precision Teflon spacers, plus 2" x 3" standard cell holder) is provided for measurements of liquid samples. Viscous liquids can be measured directly as a thin film between the KBr windows. The kit includes a hand operated press for the preparation of 7 mm KBr pellets. A mortar with pestle and Nujol™/Fluorolube® are provided for mull making – another popular method for preparation of solid samples. In addition, the kit contains a set of the most popular sample holders including: universal holder for polymer films, KBr pellet holder and PIKE disposable/storage cardboard cards for pellets and polymer films. For a complete product listing, please refer to the table below.

ORDERING INFORMATION

PART NUMBER	DESCRIPTION
162-1000	Standard Transmission Sampling Kit (STS) – Solids and Liquids <i>Includes: Sample preparation tools, mull liquids, cells, windows and cell holders required for preparation and analysis of solid and liquid samples</i>

Included Parts and Materials

PART NUMBER	DESCRIPTION
160-8010	KBr Powder, 100 g
161-0510	Fluorolube, 1 oz
161-0500	Nujol, 1 oz
042-3035	Spatula – Spoon
042-3050	Spatula – Flat
161-5050	Mortar and Pestle, 50 mm
161-1027	PIKE Hand Press (for KBr Pellets)
161-1010	7 mm Die Set
161-1018	KBr Pellet Holder
161-6000	Finger Cots (12 pcs)
162-1100	Demountable Liquid Cell Assembly
160-1015	Window, KBr 32 x 3 mm, Drilled (6 ea.)
160-1010	Window, KBr 32 x 3 mm, Plain (6 ea.)
162-1290	Teflon® Spacers – Assortment
161-0521	Syringe, 2 mL (2 ea. in kit)
162-3610	Press-On Demountable Liquid Cell Holder for 32 mm Windows
162-5600	Universal Sample Holder*
162-5300	Magnetic Film Holder – for 13 mm pellets and film samples
162-5400	Film Sampling Card – 20 mm clear aperture, 10 each*

Note: Cell holders marked "" fit all standard slide mounts, but due to their height may not allow for a complete sample compartment door closure on some smaller spectrometers. Please consult PIKE Technologies before placing an order.